Estimate Cost:- Rs.120.00 Lakhs

Sl No	Description of Item		No	No	Length (m)	Breadth (m)	Depth (m)	QTY	Unit	Rate	Amount
32	.1 Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge.(Item No 15.1, Page no 133 of PWD SR 2021-22) N-2.										
	Waterproofing of toilets										
	Ground Floor										
	Therapy Centre (Male)										
	B & W/C		1	1	2.50	1.50		3.75	Sqm		
	Toilet Male		1	1	2.60	4.4		11.44	Sqm		
	Therapy Centre (Female)										
	B&W/C		1	1	2.50	1.50		3.75	Sqm		
	Toilet Female		1	1	2.60	4.4		11.44	Sqm		
							Total qty	**30.38**	**Sqm**	819.50	24896.41
	Basic Rate				745.00						
	AW-10%				74.50						
	Total				819.50						
33	.1 Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge.(Item No 15.1, Page no 133 of PWD SR 2021-22) - first floor										
	Waterproofing of toilets										
	First Floor										
	Lab										
	W/C		1	1	1.80	1.50		2.70	Sqm		
	Nursing Unit										
	W/C		1	1	1.80	1.50		2.70	Sqm		
	Resident Doctor Room										
	W/C		1	1	1.80	1.50		2.70	Sqm		
	Special Ward-1										
	W/C		1	1	2.30	1.50		3.45	Sqm		
	Special Ward-2										
	W/C		1	1	2.30	1.50		3.45	Sqm		
	Special Ward-3										
	W/C		1	1	2.30	1.50		3.45	Sqm		
							Total qty	**18.45**	**Sqm**	826.95	15257.23
	Basic Rate				745.00						
	AW-10%				74.50						
	Lift Charges-1% per floor				7.45						
	Total				826.95						
34	.1 Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge.(Item No 15.1, Page no 133 of PWD SR 2021-22) - Second Floor										
	Waterproofing of toilets										
	Second Floor										
	Special Ward 1										
	W/C		1	1	1.80	1.50		2.70	Sqm		
	Special Ward 2										
	W/C		1	1	1.80	1.50		2.70	Sqm		
	Special Ward 3										
	W/C		1	1	1.80	1.50		2.70	Sqm		
	Generl Ward Female										
	B & W/C		2	1	2.30	1.50		6.90	Sqm		
	Generl Ward Male										
	B & W/C		2	1	2.30	1.50		6.90	Sqm		

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Estimate Cost:- Rs.120.00 Lakhs

Sl No	Description of Item		No	No	Length (m)	Breadth (m)	Depth (m)	QTY	Unit	Rate	Amount
							Total qty	21.90	Sqm	834.40	18273.36
	Basic Rate				745.00						
	AW-10%				74.50						
	Lift Charges-1% per floor				14.90						
	Total				834.40						
35	KSRB 8.5 : Providing and laying cinder concrete in cement 1:15 (1 cement : 15 cinder of 12.5mm nominal gauge) on terraced roof or sunken slabs, laid to slope compacting, including cost of materials, labour, curing complete as per specifications. ---- etc.,complete with all lead & lift and as per the instructions and directions of the Engineer-In-Charge of the work.(Item No 7.18, Page no 23 of PWD SR 2021-22)										
	Cinder Filling										
	Ground Floor										
	Therapy Centre (Male)										
	B & W/C		1	1	2.50	1.50	0.3	1.13	Cum		
	Toilet Male W/C		2	1	1.25	1.5	0.3	1.13	Cum		
	Therapy Centre (Female)										
	B&W/C		1	1	2.50	1.50	0.3	1.13	Cum		
	Toilet Female W/C		1	1	1.25	1.5	0.3	0.56	Cum		
							Total qty	3.94	Cum	2218.70	8736.13
	Basic Rate				2017.00						
	AW-10%				201.70						
	Total				2218.70						
36	KSRB 8.5 : Providing and laying cinder concrete in cement 1:15 (1 cement : 15 cinder of 12.5mm nominal gauge) on terraced roof or sunken slabs, laid to slope compacting, including cost of materials, labour, curing complete as per specifications. ---- etc.,complete with all lead & lift and as per the instructions and directions of the Engineer-In-Charge of the work.(Item No 7.18, Page no 23 of PWD SR 2021-22)- First Floor										
	Cinder Filling										
	First Floor										
	Lab										
	W/C		1	1	1.80	1.50	0.3	0.81	Cum		
	Nursing Unit										
	W/C		1	1	1.80	1.50	0.3	0.81	Cum		
	Resident Doctor Room										
	W/C		1	1	1.80	1.50	0.3	0.81	Cum		
	Special Ward-1										
	W/C		1	1	2.30	1.50	0.3	1.04	Cum		
	Special Ward-2										
	W/C		1	1	2.30	1.50	0.3	1.04	Cum		
	Special Ward-3										
	W/C		1	1	2.30	1.50	0.3	1.04	Cum		
							Total qty	5.54	Cum	2238.87	12392.15
	Basic Rate				2017.00						
	AW-10%				201.70						
	Lift Charges-1% per floor				20.17						
	Total				2238.87						
37	KSRB 8.5 : Providing and laying cinder concrete in cement 1:15 (1 cement : 15 cinder of 12.5mm nominal gauge) on terraced roof or sunken slabs, laid to slope compacting, including cost of materials, labour, curing complete as per specifications. ---- etc.,complete with all lead & lift and as per the instructions and directions of the Engineer-In-Charge of the work.(Item No 7.18, Page no 23 of PWD SR 2021-22) - Second Floor										
	Cinder Filling										
	Second Floor										
	Special Ward 1										
	W/C		1	1	1.80	1.50	0.3	0.81	Cum		
	Special Ward 2										
	W/C		1	1	1.80	1.50	0.3	0.81	Cum		
	Special Ward 3										
	W/C		1	1	1.80	1.50	0.3	0.81	Cum		
	Generl Ward Female										
	B & W/C		2	1	2.30	1.50	0.3	2.07	Cum		
	Generl Ward Male										
	B & W/C		2	1	2.30	1.50	0.3	2.07	Cum		
							Total qty	6.57	Cum	2259.04	14841.89
	Basic Rate				2017.00						
	AW-10%				201.70						
	Lift Charges-1% per floor				40.34						
	Total				2259.04						

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Estimate Cost:- Rs.120.00 Lakhs

Sl No	Description of Item		No	No	Length (m)	Breadth (m)	Depth (m)	QTY	Unit	Rate	Amount
38	Providing and laying in position plain cement concrete of Mix 1:3:6 (M10) Using 20 mm and down size graded crushed coarse aggregates for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications.(Item No 2.1.4, Page no A(67) of PWD SR 2021-22) (N-1 Pg-15)										
	Flooring PCC at Bathroom										
	Ground Floor										
	Therapy Centre (Male)										
	B & W/C		1	1	2.50	1.50	0.3	1.13	Cum		
	Toilet Male W/C		2	1	1.25	1.5	0.3	1.13	Cum		
	Therapy Centre (Female)										
	B&W/C		1	1	2.50	1.50	0.3	1.13	Cum		
	Toilet Female W/C		1	1	1.25	1.5	0.3	0.56	Cum		
							Total qty	**3.94**	**Cum**	6518.60	25668.99
	Basic Rate				5926.00						
	AW-10%				592.60						
	Total				6518.60						
39	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications and directions of the Engineer in charge(First Floor)										
	Flooring PCC at Bathroom										
	First Floor										
	Lab										
	W/C		1	1	1.80	1.50	0.3	0.81	Cum		
	Nursing Unit										
	W/C		1	1	1.80	1.50	0.3	0.81	Cum		
	Resident Doctor Room										
	W/C		1	1	1.80	1.50	0.3	0.81	Cum		
	Special Ward-1										
	W/C		1	1	2.30	1.50	0.3	1.04	Cum		
	Special Ward-2										
	W/C		1	1	2.30	1.50	0.3	1.04	Cum		
	Special Ward-3										
	W/C		1	1	2.30	1.50	0.3	1.04	Cum		
							Total qty	**5.54**	**Cum**	6577.86	36408.46
	Basic Rate				5926.00						
	AW-10%				592.60						
	Lift Charges-1% per floor				59.26						
	Total				6577.86						
40	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications and directions of the Engineer in charge(Second Floor)										
	Flooring PCC at Bathroom										
	Second Floor										
	Special Ward 1										
	W/C		1	1	1.80	1.50	0.3	0.81	Cum		
	Special Ward 2										
	W/C		1	1	1.80	1.50	0.3	0.81	Cum		
	Special Ward 3										
	W/C		1	1	1.80	1.50	0.3	0.81	Cum		
	Generl Ward Female										
	B & W/C		2	1	2.30	1.50	0.3	2.07	Cum		
	Generl Ward Male										
	B & W/C		2	1	2.30	1.50	0.3	2.07	Cum		
							Total qty	**6.57**	**Cum**	6637.12	43605.88
	Basic Rate				5926.00						
	AW-10%				592.60						
	Lift Charges-1% per floor				118.52						
	Total				6637.12						

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Estimate Cost:- Rs.120.00 Lakhs

Sl No	Description of Item		No	No	Length (m)	Breadth (m)	Depth (m)	QTY	Unit	Rate	Amount
41	Providing and fixing 30 mm thick both side commercial flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (part-I) 1991. from manufacturer complete as per spcification.(Item No 12.57.3, Page no 104 of PWD SR 2021-22)										
	Ground Floor										
	D		3	1	1.20		2.1	7.56	Sqm		
	D1		2	1	0.90		2.1	3.78	Sqm		
	D2		3	1	0.75		2.1	4.73	Sqm		
							Total qty	**16.07**	**Sqm**	2901.80	46617.42
	Basic Rate				2638.00						
	AW-10%				263.80						
	Total				2901.80						
42	Providing and fixing 30 mm thick both side commercial flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (part-I) 1991. from manufacturer complete as per spcification.(Item No 12.57.3, Page no 104 of PWD SR 2021-22) - First Floor										
	First Floor										
	D		1	1	1.20		2.1	2.52	Sqm		
	D1		6	1	0.90		2.1	11.34	Sqm		
							Total qty	**13.86**	**Sqm**	2928.18	40584.57
	Basic Rate				2638.00						
	AW-10%				263.80						
	Lift Charges-1% per floor				26.38						
	Total				2928.18						
43	Providing and fixing 30 mm thick both side commercial flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (part-I) 1991. from manufacturer complete as per spcification.(Item No 12.57.3, Page no 104 of PWD SR 2021-22) -Second Floor (V-2 Pg.106).										
	Second Floor										
	D		2	1	1.20		2.1	5.04	Sqm		
	D1		4	1	0.90		2.1	7.56	Sqm		
							Total qty	**12.60**	**Sqm**	2954.56	37227.46
	Basic Rate				2638.00						
	AW-10%				263.80						
	Lift Charges-1% per floor				52.76						
	Total				2954.56						
44	Providing & fixing 30mm thick factory made rigid foam Prelam Panelled Door Shutters with both side prelam made from M.S. tube of 19x19mm, 19 gauge for stiles and 15x15mm for top & bottom rails, covered with heat moulded Prelaminated PVC C Channel of 5mm thick sheet & 30x50mm wide to form stiles & 5mm thick & 75mm wide Prelaminated PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S. frame, Sealed to the stiles & rails with PVC Designer beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer (Item No 12.55.1, Page no 104 of PWD SR 2021-22) (V-2 Pg.106)										
	Ground Floor										
	D2		6	1	0.75		2.1	9.45	Sqm		
							Total qty	**9.45**	**Sqm**	4183.30	39532.19
	Basic Rate				3803.00						
	AW-10%				380.30						
	Total				4183.30						

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Estimate Cost:- Rs.120.00 Lakhs

Sl No	Description of Item		No	No	Length (m)	Breadth (m)	Depth (m)	QTY	Unit	Rate	Amount
45	Providing & fixing 30mm thick factory made rigid foam Prelam Panelled Door Shutters with both side prelam made from M.S. tube of 19x19mm, 18 gauge for stiles and 15x15mm for top & bottom rails, covered with heat moulded Prelaminated PVC C Channel of 5mm thick sheet & 30x50mm wide to form stiles & 5mm thick & 75mm wide Prelaminated PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S. frame, Sealed to the stiles & rails with PVC Designer beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer (Item No 12.55.1, Page no 104 of PWD SR 2021-22) -First Floor (V-2 P106)										
	First Floor										
	D2		6	1	1.20		2.1	15.12	Sqm		
							Total qty	15.12	Sqm	4221.33	63826.51
	Basic Rate				3803.00						
	AW-10%				380.30						
	Lift Charges-1% per floor				38.03						
	Total				4221.33						
46	Providing & fixing 30mm thick factory made rigid foam Prelam Panelled Door Shutters with both side prelam made from M.S. tube of 19x19mm, 18 gauge for stiles and 15x15mm for top & bottom rails, covered with heat moulded Prelaminated PVC C Channel of 5mm thick sheet & 30x50mm wide to form stiles & 5mm thick & 75mm wide Prelaminated PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S. frame, Sealed to the stiles & rails with PVC Designer beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer (Item No 12.55.1, Page no 104 of PWD SR 2021-22)- Second Floor										
	Second Floor										
	D2		7	1	0.90		2.1	13.23	Sqm		
							Total qty	13.23	Sqm	4259.36	56351.33
	Basic Rate				3803.00						
	AW-10%				380.30						
	Lift Charges-1% per floor				76.06						
	Total				4259.36						
47	UPVC WINDOWS Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mmheight with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made) (Item No 12.9, Page no 110 of PWD SR 2021-22)										
	Ground Floor										
	W		1	1	1.80		1.2	2.16	Sqm		
	W1		8	1	1.20		1.35	17.96	Sqm		
	V		10	1	0.60		0.45	4.70	Sqm		
							Total qty	24.82	Sqm	7964.00	197666.48
	Basic Rate				7240.00						
	AW-10%				724.00						
	Total				7964.00						
48	UPVC WINDOWS Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mmheight with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made) (Item No 12.9, Page no 110 of PWD SR 2021-22) - First Floor										
	First Floor										
	W1		15	1	1.20		1.35	31.30	Sqm		
	V		8	1	0.60		0.45	4.16	Sqm		
							Total qty	35.46	Sqm	8036.40	284970.74

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Estimate Cost:- Rs.120.00 Lakhs

Sl No	Description of Item		No	No	Length (m)	Breadth (m)	Depth (m)	QTY	Unit	Rate	Amount
	Basic Rate				7240.00						
	AW-10%				724.00						
	Lift Charges-1% per floor				72.40						
	Total				8036.40						
49	UPVC WINDOWS Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mmheight with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made) (Item No 12.9, Page no 110 of PWD SR 2021-22) - Second Floor										
	Second Floor										
	W1		15	1	1.20						
	V		10	1	0.60		1.35	31.30	Sqm		
							0.45	4.70	Sqm		
							Total qty	**36.00**	**Sqm**	8108.80	291916.80
	Basic Rate				7240.00						
	AW-10%				724.00						
	Lift Charges-1% per floor				144.80						
	Total				8108.80						
50	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge..										
	Stainless Steel Railing										
	Ground Floor to Landing		1	1	3.85		1.07	4.12	Sqm		
	Landing to First Floor Level		1	1	3.85		1.07	4.12	sqm		
	In between Flight		1	2	0.68		1.07	1.46	sqm		
							Total	9.69	Sqm		
							12.5 kg/Sqm	12.50			
							Total Qty	**121.18**	**Kg**	550.00	66647.63
	Basic Rate				500.00						
	AW-10%				50.00						
	Total				550.00						
51	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.. - First Floor										
	Stainless Steel Railing										
	First Floor Level to Landing		1	1	3.85		1.07	4.12	Sqm		
	Landing to Second Floor Level		1	1	3.85		1.07	4.12	sqm		
	In between Flight		1	2	0.68		1.07	1.46	sqm		
							Total	9.69	Sqm		
							12.5 kg/Sqm	12.50			
							Total Qty	**121.18**	**Kg**	555.00	67253.51
	Basic Rate				500.00						
	AW-10%				50.00						
	Lift Charges-1% per floor				5.00						
	Total				555.00						

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Estimate Cost:- Rs.120.00 Lakhs

Sl No	Description of Item		No	No	Length (m)	Breadth (m)	Depth (m)	QTY	Unit	Rate	Amount
52	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge. - Second Floor										
	Stainless Steel Railing										
	Second Floor Level to Landing		1	1	3.85		1.07	4.12	Sqm		
	Landing to Terrace Floor Level		1	1	3.85		1.07	4.12	sqm		
	In between Flight		1	2	0.68		1.07	1.46	sqm		
							Total	9.69	Sqm		
							12.5 kg/Sqm	12.50			
							Total Qty	**121.18**	**Kg**	560.00	67859.40
	Basic Rate				500.00						
	AW-10%				50.00						
	Lift Charges-1% per floor				10.00						
	Total				560.00						
53	Providing and fixing Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Electric resistance or induction butt welded tubes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge. (Vol II , Page No. 81 Item No . 11.16.3)										
	MS tubular Truss Works						unit weight kg/m				
	Terrace Floor										
	Columns 150 mm x 150mm x 10 mm @ 41.94 kg/m		2	5	3.96		41.94	1735.62	kg		
	Columns 150 mm x 150mm x 10 mm @ 41.94 kg/m		1	5	5.00		41.94	1123.50	kg		
	Base plates		1	10	0.45	0.45	9.62	118.29	kg		
	Base plates		1	10	0.20	0.2	9.62	94.24	kg		
	Battens(132x132x5.4mm)		2	5	7.00		20.88	1536.60	kg		
	Purlins (100 x 50X6 @11.71		1	18	20.00		11.71	4290.60	kg		
			1	4	11.86		11.71	630.52	kg		
	Surroundings		2	2	11.86		11.71	630.52	kg		
							Total qty	**10280.1**	**Kg**	124.30	1277816.28
	Basic Rate				110.00						
	AW-10%				11.00						
	Lift Charges-1% per floor				3.30						
	Total				124.30						
										Total Amount	1,04,98,929.44
										Add GST Charges -12%	12,59,871.53
										Add DPR and PMC Charges 2%	2,40,000.00
										Add Miscellaneous Charges	1,199.02
	GRAND TOTAL										**1,20,00,000.00**

Certificate :-
1. The estimate is prepared as per site condition
2. The Estimate is prepared based on PWD SR 2021-22 and Issue Rates.
3. This Estimate is not Splited and Work Spot Comes Under BBMP Limits

Consultant :-
PREETICAD CONSULTING ENGINEERS PVT LTD

Assistant Engineer
Project Division Byatarayanapura

Assistant Executive Engineer
Project Division Byatarayanapura

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BRUHAT BENGALURU MAHANAGARA PALIKE

Byatarayanapura Project Division

Development of Kalyani, construction of community toilet and Amphi theater to Someshwara Hill in Ward No.03

Estimate Cost:- Rs.100.00 Lakhs

DETAILED ESTIMATION

SL NO	SPECIFICATION			Unit	No's	L	B	D	Quantity	Rate	Amount
1	Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, including removal and disposal of top organic soil not exceeding 150 mm in thickness. By Mechanical Means using Dozer In area of light jungle (Vol III , P.No 07 Sl.No 2.5 A)										
	Basic Rate	158044.00									
	AW 10%	15804.40									
	Total Rate	173848.40		Hectare	1 Hectare = 10000 sqm						
	Lake				1	95.00	60.00		5700.00		
									5700.00		
	VOID DEDUCTION (30%)								1710.00		
								Total	3990.00	Sqm	
									0.40	ha	
								Total	0.40	173848.40	69365.51
2	De-silting tank bed/Feeder Channel/Canal in dry condition by excavating the deposited bed material and loading the same to transport vehicle (excluding cost of transportation) including cost of all machinery, labour etc., complete with all lead and all lifts (VoL IV , P.No 39 Sl.No 6.18)										
	Basic Rate	46.00									
	AW 10%	4.60									
	Total Rate	50.60		Cum							
					1	90.00	50.00	1.50	6750.00		
								Total	6750.00	50.60	341550.00
	BUND IMPROVEMENT										
3	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work In all kinds of soils Depth upto 3 m (Vol I , P.No 8 Sl.No 1.14.1)										
	Basic Rate	73.00									
	AW 10%	7.30									
	Total Rate	80.30		Cum							
					1	110.00	5.00	0.30	165.00		
								Total	165.00	80.30	13249.50
4	Providing casing embankment using semi-pervious/ pervious soil collected in embankment area in heaps as part of disposal of excavated soil from canal in layer of 250 to 300 mm (before compaction) including cost of all materials, machinery, labour, all operations such as collection of soil, spreading in soil in layer of specified thickness , sorting-out,lavelling, breaking clods, sectioning edges/sides, watreing and compacting each layer to density control of not less than 95 percent or as stipulated by power roller etc., complete with lead upto 1 km for water. (Vol IV Item No 3.60 Pg No)										
	Basic Rate	209.00									
	AW 10%	20.90									
	Total Rate	229.90		Cum							

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SL. NO	SPECIFICATION			Unit	No's	L	B	D	Quantity	Rate	Amount
	CASING SOIL SOUTH SIDE				1	110.00	3.00	1.00	330.00		
	CASING SOIL EAST SIDE				1	59.00	5.50	3.50	1135.75		
	EXISTING BUND STRENGTHENING				1	110.00	2.50	0.45	123.75		
							TOTAL QUANTITY		1589.50		
									1589.50	229.90	365426.05
5	KSRRB M2500-4.1. Providing and laying pitching stones of size 0.3x 0.3x0.3 on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embackment complete as per drawing and Technical specification including cost of all material, labour, HOM complete as per specification. A.stone / Boulder MORTH specification No.2504 (Vol III Item No 16.40 Pg No 111)										
	Basic Rate	**1635.00**									
	AW 10%	**163.50**									
	Total Rate	**1798.50**		**Cum**							
					2	110.00	2.50	0.30	165.00		
					1	59.00	7.00	0.30	123.90		
					1	110.00	7.00	0.30	231.00		
									519.90	**1798.50**	**935040.15**
	WASTE WEIR IMPROVEMENT										
6	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting,barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work In all kinds of soils Depth upto 3 m (Vol I ,P.No 8 Sl.No 1.14.1)										
	Basic Rate	**73.00**									
	AW 10%	**7.30**									
	Total Rate	**80.30**		**Cum**							
	HEAD WALL FOOTING				1	6.00	1.80	1.60	17.28		
	WING WALL FOOTING				2	6.00	1.40	1.50	25.20		
	TOE WALL FOOTING				1	6.00	0.90	1.00	5.40		
									47.88	**80.30**	**3844.764**
7	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:4:8(M5) Using 40 mm nominal size graded crushed coarse aggregates (Vol I , P.No 15 Sl.No 2.1.2)										
	Basic Rate	**5364.00**									
	AW 10%	**536.40**									
	Total Rate	**5900.40**		**Cum**							
	HEAD WALL FOOTING				1	6.00	1.60	0.15	1.44		
	WING WALL FOOTING				2	6.00	1.20	0.15	2.16		
	TOE WALL FOOTING				1	6.00	1.10	0.15	0.99		
									4.59	**5900.40**	**27082.836**
8	*Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt* crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Vol I , P.No 15 Sl.No 2.2.2 .1)										
	Basic Rate	**6285.00**									

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SL NO	SPECIFICATION			Unit	No's	L	B	D	Quantity	Rate	Amount
	Shuttering 8%	502.80									
	Total Rate	6787.80		Cum							
	AW 10%	678.78									
	Total Rate	7466.58		Cum							
	HEAD WALL FOOTING				1	6.00	1.60	0.40	3.84		
	WING WALL FOOTING				2	6.00	1.20	0.30	4.32		
	TOE WALL FOOTING				1	6.00	0.90	0.25	1.35		
	HEAD WALL				1	6.00	0.45	1.70	4.59		
	WING WALL				2	6.00	0.45	2.00	10.80		
	TOE				1	6.00	0.40	1.00	2.40		
									27.30	7466.58	203837.634
9	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) (Vol II , P.No 84 Sl.No 11.32) Issue Rate as on 07.04.2022										
	Basic Rate	106.00									
	Total Rate	106.00		Kg							
	QUANTITY REF SL NO. 3										
	Water Lining work					50.30	100.00		5030.00		
									5030.00	106.00	533180.00
10	KSRB M2500-3 :Providing and laying Filter material underneath pitching in slopes complete as per drawing and Technical specification including cost of material, machinery, labour HOM complete as per specifications. MORTH Specification No. 2504. (Vol III Item No 16.40 Pg No 111)										
	Basic Rate	3397.00									
	AW 10%	339.70									
	Total Rate	3736.70		Cum							
	UNDER PITCHING				1	6.00	5.00	0.30	9.00		
									9.00	3736.70	33630.30
11	KSRRB M2500-4.1. Providing and laying Pitching on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and Technical specifications A. Stone / Boulder MORTH Specification No. 2504 (Vol III Item No 16.4A Pg No 111)										
	Basic Rate	1635.00									
	AW 10%	163.50									
	Total Rate	1798.50		Cum							
					1	6.00	5.00	0.45	13.50		
									13.50	1798.50	24279.75
12	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 5.5 m3) (Vol III , P.No 3 Item No. 1.1)										
	Basic Rate	118.00									
	Lead For 5 Kms (5x2.18x5Kms)	54.50									
	Total Rate	172.50		cum							
					1	6000.00			6000.00		
									6000.00	172.50	1035000.00

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No	SPECIFICATION			Unit	No's	L	B	D	Quantity	Rate	Amount
13	Earth work in surface excavation for stripping, sealing of build, Road way by manual means for lowering & levelling the ground for all works other than foundation & depth in Ordinary rock and soft rock upto 300mm depth as per drawing and technical specifications, including setting out, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage& other appurtenances required to complete the work. (Vol I , P.No 5 Item No. 1.2)										
	Basic Rate	452.00									
	AW 10%	45.20									
	Total Rate	497.20		Cum							
	For Pathway				2	80.00	1.50	0.30	72.00		
					2	80.00	1.50	0.30	48.00		
	For Kerbs				1	80.00	2.00	0.30	30.00		
					2	260.00	0.15	0.20	15.60		
									162.60	497.20	80844.72
14	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water,all materials,usage& all other appurtenaces required to complete the work. (Vol I , P.No 7 Item No. 1.8)										
	Basic Rate	402.00									
	AW 10%	40.20									
	Total Rate	442.20		Cum							
	For Pathway				2	80.00	1.50	0.25	60.00		
					2	50.00	1.50	0.25	37.50		
					1	50.00	2.00	0.25	25.00		
									122.50	442.20	54169.50
15	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately)Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates (Vol I , P.No 15 Item No. 2.1.4)										
	Basic Rate	5926.00									
	AW 10%	592.60									
	Total Rate	6518.60		Cum							
	For Pathway				2	80.00	1.50	0.10	24.00		
					2	50.00	1.50	0.10	15.00		
	For Kerbs				1	50.00	2.00	0.10	10.00		
					2	240.00	0.20	0.075	7.20		
									56.20	6518.60	366345.32
16	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level , including cost of materials, labour and Usage charges of machinery complete as per specifications. (Vol II , P.No 64 Item No. 9.31)										
	Basic Rate	1087.00									
	AW 10%	108.70									

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SL. NO	SPECIFICATION			Unit	No's	L	B	D	Quantity	Rate	Amount
	Total Rate	**1195.70**		**Sqm**							
	For Pathway										
					2	80.00	1.50		240.00		
					2	50.00	1.50		150.00		
					1	50.00	2.00		100.00		
									490.00	**1195.70**	**585893.00**
17	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete as directed by the Engineer in Charge of the work (excluding GST and Area Leading Charges)										
	Basic Rate	**507.00**									
	Total Rate	**507.00**		**No's**							
	For Pathway										
					2	240.00			480.00		
					1	100.00			100.00		
									580.00		
									1288.89		
									1289.00		
									1289.00	**507.00**	**653523.00**
18	Painting Two Coats on New Concrete Surfaces Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces (Volume III , Item No : 8.10 , Page No 92 .)										
	Basic Rate	**85.00**									
	AW 10%	**8.50**									
	Total Rate	**93.50**		**Sqm**							
	For Pathway										
					2	240.00		0.40	192.00		
					1	100.00		0.40	40.00		
									232.00	**93.50**	**21692.00**
19	Providing and fixing of Ornamental Granite Pillar of overall height of 1250mm 200x200sqmm, Octagonal to a height of 820mm and carving design at bottom as shown in drawing .and 280mm respectively as per the approved Design and drawing including quarry cutting to the required size and transporting the same from quarry to work spot\ including loading and un loading with all lead and lift etc. complete as per design and drawing. The work shall be carried out as per design and drawing. Firmly fixed to the ground by means of properly designed foundation of size 300mm x 300mm x 300mm in 1:1.5:3 ratio cement concrete The work shall be carried out as per the engineers in charge of the work etc. and completion of the work as per directions of the Engineer-in-charge of the work.										
	Basic Rate	**15200.00**									
	Total Rate	**15200.00**		**Each**							
	For Pathway				80				80.00		
									80.00	**15200.00**	**1216000.00**
20	Painting Two Coats on New Concrete Surfaces Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces (Volume III , Item No : 8.10 , Page No : 92).										
	Basic Rate	**85.00**									
	AW 10%	**8.50**									
	Total Rate	**93.50**		**Sqm**							
	For Pathway				2	240.00		0.40	192.00		

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SL. NO	SPECIFICATION			Unit	No's	L	B	D	Quantity	Rate	Amount
									192.00	93.50	17952.00
21	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts,										
	Basic Rate	**500.00**									
	AW 10%	**50.00**									
	Total Rate	**550.00**		**Kg**							
	For Pathway				1	240.00		1.00	240.00		
						Consider 7kg/sqm		7.00			
									1680.00		
									1680.00	**550.00**	**924000.00**
	CC Roads										
22	Earth work in surface excavation for stripping, seating of bund, Road way by manual means for lowering & levelling the ground for all works other than foundation & depth in Ordinary rock and soft rock upto 300mm depth as per drawing and technical specifications, including setting out, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage& other appurtenances required to complete the work. (Volume I , Item No : 1.2 , Page No : 5)										
	Basic rate			452.00							
	10% AW			45.20							
	Total			**497.20**	**Cum**						
	For CC Road										
				1	83.80	5.50	0.25	115.23			
							Total	**115.23**	**Cum**	**497.20**	**57290.00**
23	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 5.5 m3) (Volume III , Item No : 1.1A , Page No :3) 1.1A.										
	Basic rate			118.00							
	Loading and unloading with 15.00km lead= 5.00x1.28x15.00 = 38.40			54.50							
	Total			**172.50**							
					Qty From Earthwork			115.23			
								115.23	**Cum**	**172.50**	**19877.00**
24	Wet Mix Macadam (Plant mix method) Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. (Volume III , Item No : 4.27 , Page No : 19) Pg 24).										
	Basic rate			2394.00							
	10% AW			239.40							
	Total			**2633.40**	**Cum**						
				1	83.80	5.50	0.20	92.18			
							Total	**92.18**	**Cum**	**2633.40**	**242747.00**

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SL. NO	SPECIFICATION			Unit	No's	L	B	D	Quantity	Rate	Amount
25	Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ m3, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 t vibratory roller, finishing and curing. (Volume III , Item No : 6.1 , Page No : 43)										
	Basic rate			4196.00							
	10% AW			419.60							
	Total			**4615.60**	**Cum**						
	For CC Road										
				1	83.80	5.50	0.10	46.09			
							Total	**46.09**	**Cum**	**4615.60**	**212734.00**
26	Cement Concrete Pavement with OPC/PPC/PSC Construction of M40 grade un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with Cement at 420 kg/m3, coarse and fine aggregate conforming to IS 383:2016, *maximum size of coarse aggregate not exceeding 25 mm, mixed in a* batching and mixing plant as per approved mix design transported to site, laid with a paver finisher, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing (Volume III , Item No : 6.2 , Page No : 43)										
	Basic rate			9348.00							
	10% AW			934.80							
	Total			**10282.80**	**Cum**						
	For CC Road										
				1	83.80	5.50	0.15	69.14			
							Total	**69.14**	**Cum**	**10282.80**	**710902.00**
										Total Amount	**8749456.04**
										Add GST Charges (12%)	**1049934.72**
										Add DPR and PMC Charges 2%	**200000.00**
										Total Amount	**9999390.76**
										Add Miscellaneous Charges	**609.24**
										GRAND TOTAL	**10000000.00**

Certificate :-

1. The estimate is prepared as per site condition
2. The Estimate is prepared based on PWD SR 2021-22 and Issue Rates.
3. This Estimate is not Splited and Work Spot Comes Under BBMP Limits

Consultant :-
PREETICAD CONSULTING ENGINEERS PVT LTD

Assistant Engineer
Project Division Byatarayanapura

Assistant Executive Engineer
Project Division Byatarayanapura

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BRUHAT BENGALURU MAHANAGARA PALIKE

Byatarayanapura Project Division

Development and providing grill fencing to Rajiv Gandhi park, Tree Park, Nethaji park, Basaveshwara Park, Judicial Layout Parks and sorrounding parks in 'A' Sector Ward No.04

Estimate Cost:- Rs.500.00 Lakhs

SL.NO	DESCRIPTION OF WORKS	NOS	DIMENSIONS (MTRS) L	B	D	QUANTITY	UNIT	RATE (₹)	AMOUNT (₹)
1	Dismantling chain link fencing including removing the posts, cement concrete fedestals, foundation and stacking the useful materials safely at a distance to the appropriate disposal area as per direction of Engineer-in-charge. (Volume II , Item No. 19.58 , Page No. 169)								
	Basic Rate 17.00								
	AW 10 % 1.70								
	TOTAL 18.70	Kg							
	Tree Park								
			1	175.00		1.80	315.00		
			1	175.00		1.80	315.00		
			1	70.00		1.80	126.00		
	Basaveshwara Nagar Park								
			1	105.00		1.80	189.00		
			1	115.00		1.80	207.00		
			1	80.00		1.80	144.00		
			1	115.00		1.80	207.00		
	Nethaji Park								
			1	100.00		1.80	180.00		
			1	55.00		1.80	99.00		
			1	100.00		1.80	180.00		
			1	135.00		1.80	243.00		
						Total	2205.00		
		Consider 10kg/sqm				10.00			
							22050.00		
						Total	**22050.00**	**Sqm**	**18.70**	**412335.00**
2	Demolishing cement concrete manually/ by mechanical means including disposal of material to the appropriate disposal area as per direction of Engineer-in-charge.Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix) (V-2) (Volume II , Item No. 19.2.2 , Page No. 163)								
	Basic Rate 789.00								
	AW 10 % 78.90								
	TOTAL 867.90								
	Coping Concrete								
	Tree Park								
			1	175.00	0.40	0.10	7.00		
			1	175.00	0.40	0.10	7.00		
			1	70.00	0.40	0.10	2.80		
	Basaveshwara Nagar Park								
			1	105.00	0.40	0.10	4.20		
			1	115.00	0.40	0.10	4.60		
			1	80.00	0.40	0.10	3.20		
			1	115.00	0.40	0.10	4.60		
	Nethaji Park								
			1	100.00	0.40	0.10	4.00		
			1	55.00	0.40	0.10	2.20		
			1	100.00	0.40	0.10	4.00		

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SL.NO	DESCRIPTION OF WORKS	NOS	DIMENSIONS (MTRS) L	B	D	QUANTITY	UNIT	RATE (₹)	AMOUNT (₹)
		1	135.00	0.40	0.10	5.40			
				Total		49.00	cum	867.90	42527.10
3	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineerin-charge. In cement mortar (Volume II , Item No. 19.9.2 , Page No. 163)								
	Basic Rate 1290.00								
	AW 10 % 129.00								
	TOTAL 1419.00								
	Tree Park								
		1	175.00	0.45	0.60	47.25			
		1	175.00	0.45	0.40	31.50			
		1	70.00	0.45	0.40	12.60			
	Basaveshwara Nagar Park								
		1	105.00	0.45	0.60	28.35			
		1	115.00	0.45	0.40	20.70			
		1	80.00	0.45	0.60	21.60			
		1	115.00	0.45	0.40	20.70			
	Nethaji Park								
		1	100.00	0.45	0.60	27.00			
		1	55.00	0.45	0.40	9.90			
		1	100.00	0.45	0.60	27.00			
		1	135.00	0.45	0.40	24.30			
						270.90			
		30% Used For Reconstruction							
					81.27	189.63			
				Total		189.63	Sqm	1419.00	269084.97
4	Earth work excavation by manual means for drains,canals, waste weir draft, approach channels, key trench, foundation of Bridges and such similar works, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, excavated surface leveled and sides neatly dressed disposing off or leveling the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage & other appurtenances required to complete the work. In ordinary/soft rock without blasting upto 1.5 m depth (Volume I , Item No. 1.5.1 , Page No. 6)								
	Basic Rate 229.00								
	AW 10 % 22.90								
	TOTAL 251.90								
	Tree Park								
		1	175.00	0.90	0.20	31.50			
		1	175.00	0.90	0.20	31.50			
		1	70.00	0.90	0.20	12.60			
	Basaveshwara Nagar Park								
		1	105.00	0.90	0.20	18.90			
		1	115.00	0.90	0.20	20.70			
		1	80.00	0.90	0.20	14.40			
		1	115.00	0.90	0.20	20.70			
	Nethaji Park								
		1	100.00	0.90	0.20	18.00			
		1	55.00	0.90	0.20	9.90			
		1	100.00	0.90	0.20	18.00			
		1	135.00	0.90	0.20	24.30			
				Total		220.50	cum	251.90	55543.95

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SL.NO	DESCRIPTION OF WORKS	NOS	DIMENSIONS (MTRS) L	B	D	QUANTITY	UNIT	RATE (₹)	AMOUNT (₹)
5	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates (Volume I ,Item No. 2.1.3 ,Page No. 15)								
	Basic Rate 5752.00								
	AW 10 % 575.20								
	TOTAL 6327.20								
	Tree Park								
			1	175.00	0.90	0.15	23.63		
			1	175.00	0.90	0.15	23.63		
			1	70.00	0.90	0.15	9.45		
	Basaveshwara Nagar Park								
			1	105.00	0.90	0.15	14.18		
			1	115.00	0.90	0.15	15.53		
			1	80.00	0.90	0.15	10.80		
			1	115.00	0.90	0.15	15.53		
	Nethaji Park								
			1	100.00	0.90	0.15	13.50		
			1	55.00	0.90	0.15	7.43		
			1	100.00	0.90	0.15	13.50		
			1	135.00	0.90	0.15	18.23		
						Total	**165.38**	**cum**	**6327.20**	**1046360.70**
6	Providing Coursed rubble masonry (second sort) with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) (Volume II , Item No. 5.3 , Page No. 9)								
	Basic Rate 5266.00								
	AW 10 % 526.60								
	TOTAL 5792.60								
	1st Course								
	Tree Park								
			1	175.00	0.75	0.20	26.25		
			1	175.00	0.75	0.20	26.25		
			1	70.00	0.75	0.20	10.50		
	Basaveshwara Nagar Park								
			1	105.00	0.75	0.20	15.75		
			1	115.00	0.75	0.20	17.25		
			1	80.00	0.75	0.20	12.00		
			1	115.00	0.75	0.20	17.25		
	Nethaji Park								
			1	100.00	0.75	0.20	15.00		
			1	55.00	0.75	0.20	8.25		
			1	100.00	0.75	0.20	15.00		
			1	135.00	0.75	0.20	20.25		
	2nd Course								
	Tree Park								
			1	175.00	0.60	0.40	42.00		
			1	175.00	0.60	0.40	42.00		
			1	70.00	0.60	0.40	16.80		
	Basaveshwara Nagar Park								
			1	105.00	0.60	0.40	25.20		

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SL.NO	DESCRIPTION OF WORKS	NOS	DIMENSIONS (MTRS) L	B	D	QUANTITY	UNIT	RATE (₹)	AMOUNT (₹)
		1	115.00	0.60	0.40	27.60			
		1	80.00	0.60	0.40	19.20			
		1	115.00	0.60	0.40	27.60			
	Nethaji Park								
		1	100.00	0.60	0.40	24.00			
		1	55.00	0.60	0.40	13.20			
		1	100.00	0.60	0.40	24.00			
		1	135.00	0.60	0.40	32.40			
					Total	477.75	cum	5792.60	2767414.65
7	Providing Coursed rubble masonry (first sort) with hard stone in foundation and plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) **(Volume II , Item No. 5.2 , Page No. 9)**								
	Basic Rate 5611.00 ✓								
	AW 10 % 561.10								
	TOTAL 6172.10								
	Top Course Above GL								
	Tree Park								
		1	175.00	0.45	0.60	47.25			
		1	175.00	0.45	0.60	47.25			
		1	70.00	0.45	0.60	18.90			
	Basaveshwara Nagar Park								
		1	105.00	0.45	0.60	28.35			
		1	115.00	0.45	0.60	31.05			
		1	80.00	0.45	0.60	21.60			
		1	115.00	0.45	0.60	31.05			
	Nethaji Park								
		1	100.00	0.45	0.60	27.00			
		1	55.00	0.45	0.60	14.85			
		1	100.00	0.45	0.60	27.00			
		1	135.00	0.45	0.60	36.45			
					Total	330.75	cum	6172.10	2041422.08
8	Providing Flush/ Ruled pointing: Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineer-in-charge. (Volume II , Item No. 8.19.1 , Page No. 44)								
	Basic Rate 200.00 ✓								
	AW 10 % 20.00								
	TOTAL 220.00								
	Tree Park								
		2	175.00		0.60	210.00			
		2	175.00		0.60	210.00			
		2	70.00		0.60	84.00			
	Basaveshwara Nagar Park								
		2	105.00		0.60	126.00			
		2	115.00		0.60	138.00			
		2	80.00		0.60	96.00			
		2	115.00		0.60	138.00			
	Nethaji Park								
		2	100.00		0.60	120.00			
		2	55.00		0.60	66.00			
		2	100.00		0.60	120.00			
		2	135.00		0.60	162.00			
					Total	1470.00	Sqm	220.00	323400.00

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SL NO	DESCRIPTION OF WORKS	NOS	DIMENSIONS (MTRS) L	B	D	QUANTITY	UNIT	RATE (₹)	AMOUNT (₹)
9	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates (Volume I , Item No. 2.1.4 , Page No. 15)								
	Basic Rate 5928.00								
	AW 10 % 592.60								
	TOTAL 6518.60								
	Coping Above SSM								
	Tree Park								
			1	175.00	0.45	0.10	7.88		
			1	175.00	0.45	0.10	7.88		
			1	70.00	0.45	0.10	3.15		
	Basaveshwara Nagar Park								
			1	105.00	0.45	0.10	4.73		
			1	115.00	0.45	0.10	5.18		
			1	80.00	0.45	0.10	3.60		
			1	115.00	0.45	0.10	5.18		
	Nethaji Park								
			1	100.00	0.45	0.10	4.50		
			1	55.00	0.45	0.10	2.48		
			1	100.00	0.45	0.10	4.50		
			1	135.00	0.45	0.10	6.08		
						Total	**55.13**	**Sqm**	**6518.60**	**359337.83**
10	Fabricating, providing and erecting in position of MS. Hot dip galvanized Sq. Hallow Poles of 132*132 Heavy gauge of length 3000mm with MS. Hot dip galvanized grill work as per approved design and drawing of chief architect. Using 12*75mm galvanized flat for alround frame and 20mm*20mm galvanized- forged design with square for vertical at 150mm C/C as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flat, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading with cost and conveyance of all materials, labour, machinery and incidental charges for the successful complete of the work as per the direction Engineer-in-charge of the work. **(Approved Data Rate Copy Attached)**								
	Basic Rate 15630.00								
	TOTAL 15630.00								
	Tree Park								
			1	175.00		1.80	315.00		
			1	175.00		1.80	315.00		
			1	70.00		1.80	126.00		
	Basaveshwara Nagar Park								
			1	105.00		1.80	189.00		
			1	115.00		1.80	207.00		
			1	80.00		1.80	144.00		
			1	115.00		1.80	207.00		
	Nethaji Park								
			1	100.00		1.80	180.00		

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SL.NO	DESCRIPTION OF WORKS	NOS	DIMENSIONS (MTRS) L	B	D	QUANTITY	UNIT	RATE (₹)	AMOUNT (₹)
		1	55.00		1.80	99.00			
		1	100.00		1.80	180.00			
		1	135.00		1.80	243.00			
					Total	2205.00	Sqm	15630.00	34464150.00
11	Fabricating, providing and erecting in position Hot dip galvanised Gate. Using 72*72*4.8mm Sq. GI Pipe frame with top pipe bending in heavy duty hydraolic press with sand packing and hot bending to form double arch as per drawing profile,20mm hot dip galvanised sq.rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq.rods and heads at top,middle and bottom. Intermediate supports of 75*12mm and 50*6mm arch bent to hot .dip galvanised flats.the work is inclusive of throughing GI.flat GIsq.rods,placing,welding all the joints including grinding,finishing metal patty,painting wo coats enamel painting.The rate is inclusive of all materials like GI sq.pipe,GI.Sq.rods,GI forged designs etc., heavy duty hinges are made out of 75mm solid sq.block assembled with 20mm dia bearing in the three places for each flop. Heavy duty locking arrangements at low places including cost of labou,pailnting,erecting charges using hoist pulley cranes with all lead and lift,loading,transportation,unloading,scaffolding charges and all other incidental charges for sucessful completion of the work as per directions of the Engineer-in-charge of the work. (Approved Data Rate Copy Attached)								
	Basic Rate 21350.00								
	TOTAL 21350.00								
	Tree Park								
		3	4.00		2.50	30.00			
		1	1.20		2.50	3.00			
	Basaveshwara Nagar Park								
		2	5.00		2.50	25.00			
		2	1.20		2.50	6.00			
	Nethaji Park								
		2	5.00		2.50	25.00			
		1	1.20		2.50	3.00			
					Total	92.00	Sqm	21350.00	1964200.00
								Total Amount	4,37,45,776.27
								Add GST Charges -12%	52,49,493.15
								Add DPR and PMC Charges 2%	10,00,000.00
								Add Miscellaneous Charges	4,730.58
								GRAND TOTAL	5,00,00,000.00

Certificate :-

1. The estimate is prepared as per site condition
2. The Estimate is prepared based on PWD SR 2021-22 and Issue Rates.
3. This Estimate is not Splited and Work Spot Comes Under BBMP Limits

Consultant :-
PREETICAD CONSULTING ENGINEERS PVT LTD

Assistant Engineer
Project Division Byatarayanapura

Assistant Executive Engineer
Project Division Byatarayanapura

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